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Claims

What is claimed is:

1. A pouch comprising:
a front layer and a back layer;
an expandable polymer positioned between the two layers; and
a seam joining together at least one edge of the two layers;
the expandable polymer in an expanded state forming a bead along the seam.
2. The pouch of claim 1 wherein the expandable polymer bead is formed along three seams.
3. The pouch of claim 1 wherein the expandable polymer is a heat activated polymer.
4. The pouch of claim 3 wherein the expandable polymer is a plastisol based ink.
5. The pouch of claim 3 wherein the expandable polymer is a heat activated puff ink.
6. The pouch in claim 1 wherein the expandable polymer is triggered to expand by radio frequency.
7. The pouch of claim 1 further comprising a gusset panel secured to the front and rear layers to form a gusseted stand-up pouch.

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8. A pouch comprising:
 - a front panel, a back panel and a bottom gusset;
 - the front panel, the back panel and the bottom gusset each having a plurality of laminate layers;
 - an expandable polymer positioned between two of the laminate layers in at least one of the panels and the bottom gusset, or in both the front panel and the back panel;
 - a seam joining together at least one edge of the front panel with at least one edge of the back panel, a seam joining together at least one edge of the front panel with at least one edge of the bottom gusset, or a seam joining together at least one edge of the back panel with at least one edge of the bottom gusset; and
 - the expandable polymer in an expanded state forming a bead along the joined seam.
9. The pouch of claim 8 wherein the expandable polymer is a heat activated polymer.
10. The pouch of claim 9 wherein the expandable polymer is a plastisol based ink.
11. The pouch of claim 9 wherein the expandable polymer is a heat activated puff ink.
12. The pouch in claim 8 wherein the expandable polymer is triggered to expand by the application of electron beams, microwaves, or the like.

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13. A multi-layered stand-up pouch comprising:
a pair of opposed side wall panels joined to each other about the periphery thereof;
an expandable polymer in an expanded state forming a bead along the joined periphery.
14. The pouch of claim 13 wherein expandable polymer is a heat activated polymer.
15. The pouch of claim 13 wherein the expandable polymer is a plastisol based ink.
16. The pouch of claim 13 wherein the expandable polymer is a heat activated puff ink.
17. A method of making a heat sealed pouch, comprising the steps of:
positioning the expandable polymer between two pouch panel layers;
placing the front panel and the back panel together into a sealing jaws;
the sealing jaws heat sealing the front panel and back panel together along at least one edge; and
activating and expanding the expandable polymer outwardly along the at least one edge.
18. The method of claim 17 wherein the sealing jaws are chamfered on the outer edge to direct the expandable polymer outwardly during heat sealing and heat activation.
19. The pouch of claim 17 wherein the expandable polymer is a plastisol based ink.

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20. The pouch of claim 17 wherein the expandable polymer is a heat activated puff ink.

21. A method of claim 17 wherein the expandable polymer is triggered to expand by electron beams, microwaves, or the like.